

Mint of the United States, at Philadelphia,

Assay Department.

July 19 '80

Note for the Superintendent.

Along with these data furnished by Mr Westermaier, it may be well to state that the comparisons were made with a set of ten copies of the standard troy pound, furnished years ago by the Bureau of Weights and Measures, and in perfect exactness and order; making up the even numbers of ounces by adding ounce weights. Thus eight of the pound weights, with 4 ozs, $8 \times 12 + 4 = 100$. It is, as before stated, very desirable to have a new set of standard ounce weights, although, as will be seen, some are still correct. One however is over 3 grains light; others 1.5, 1.3, &c.

With respects of

W E Du Bois
Assayer

Examination of our set of Standard ounce-weights, from one ounce to 500 ozs.

£ 9 - - - 2 - 2 3 6 7

1 Oz.	-	0,01	Grain
2 "		correct	
3 "	-	0,05	"
5 "	-	0,02	"
10 "	-	0,1	"
20 "		correct	
30 "	+	0,1	"
40 "		correct	
50 "		"	
100 "	-	0,35	"
200 "	-	0,78	"
300 "	-	1,5	"
400 "	-	1,3	"
500 "	-	3,1	"

Respectfully submitted by
A. Westerman

Adjuster of Scales & Weights.

70 1/2

~~1881~~ 1880

N. Westermaier..
Adj. to of Scales &
Weights,
January 19, 1880

Report of Examina-
-tion of Standard
Weights belonging
to the Mint, from 1 oz
to 500 ozs.

[Items enclosed
from Assays Dubois.]

Recd Jan'y 19/80

[Abstract:] Report of Examination of Standard Weights... 70 ½

Mint of the United States at Philadelphia,
Assay Department.
January 19, 1880

Note for the Superintendent.

Along with these data furnished by Mr. Westermaier, it may be well to state that the comparisons were made with a set of ten copies of the standard troy pound, furnished years ago by the Bureau of Weights and Measures, and in perfect exactness and order: making up the even numbers of ounces by adding ounce weights. Thus eight of the pound weights, with 4 ozs. $8 \times 12 + 4 = 100$. It is, as before stated, very desirable to have a new set of standard ounce weights, although, as will be seen, some are still correct... One however is over 3 grains light; others 1.5, 1.3, &c.

With respects of
W.E. DuBois
Assayer

[Enclosed table:]

Examination of our set of Standard ounce-weights, from one ounce to 500 ozs.

1 Oz.	- 0.01 grain
2 “	Correct
3 “	- 0.05 “
5 “	- 0.02 “
10 “	= 0.1 “
20 “	Correct
30 “	+ 0.01 “
40 “	Correct
50 “	“
100 “	-0.35 “
200 “	- 0.78 “
300 “	- 1.5 “
400 “	- 1.3 “
500 “	- 3.1 “

Respectfully submitted by
R. Westermaier
Adjuster of Scales & Weights